

1 METHODS OF MANUFACTURING POLISHING SUBSTRATES

2
3 ABSTRACT

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5 A method of manufacturing a polishing substrate is
6 disclosed. The method includes disposing into a mold a
7 reaction mixture of dibasic acid and a hydroxylated
8 polymer, and applying a pressure and a temperature to the
9 reaction mixture that are sufficient to cause
10 polymerization and substrate formation in the mold. The
11 dibasic acid is preferably adipic acid. Before pressure
12 and temperature are applied to the reaction mixture, the
13 reaction mixture is capable of being fortified with a
14 polishing agent and/or a filler for controlling modulus
15 and/or the coefficient of expansion.